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MONTANA OIL AND GAS STATISTICAL BULLETIN

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MARCH, 1978

PRODUCTION STATUS

Production of crude oil and condensate from the oil and gas areas of Montana for the month of March, 1978 averaged 81,278 barrels daily, an increase of 4,404 barrels from the average 76,874 production in February.

The six refineries in the state processed 131,327 barrels of crude oil daily for the month of March, a decrease of 2,128 barrels from the 133,455* barrels processed daily during the month of February.

During March, 66 wells were completed, 11 oil, 21 gas, and 34 dry holes.

During March, the board issued 38 permits to drill new wells, an increase of 15 from the 23 permits issued during February.

*February should have shown an increase of 4,723 barrels instead of the 7,511 decrease reported

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF MARCH, 1978

IN STORAGE: March 1st	
By Producers	367,163
By Transporters	1,448,771
By Refiners	1,216,945
TOTAL STORAGE	3,032,879
Produced in Mont. During Month	2,519,629
Imported During Month	3,388,025
TOTAL	8,940,533
DISPOSITION	
Refined in Montana	3,856,031
Exported	1,793,041
Used for Fuel or Lost	6,563
TOTAL	5,655,635
IN STORAGE: March 31st	
By Producers	382,596
By Transportation	1,470,247
By Refiners	1,432,055
TOTAL STORAGE	3,284,898

REFINERS MONTHLY REPORT
MARCH, 1978

Company	Beginning Storage	Montana Crude Oil	N. Dakota Crude Oil	Wyoming Crude Oil	Canada Crude Oil	Refined	Ending Storage
Continental Oil Co.	153,308	256,192	—	386,891	802,391	1,368,830	229,952
Exxon Company	146,384	34,209	—	944,920	420,869	1,191,816	354,566
Farmers Union	882,910	60,863	11,636	364,338	426,588	929,534	816,801
Kenco Refining	—	68,047	—	—	—	68,047	—
Phillips Petroleum	7,290	122,499	—	—	30,392	152,706	7,475
Wesco Refining Co.	27,053	141,306	—	—	—	145,098	23,261
TOTALS	1,216,945	683,116	11,636	1,696,149	1,680,240	3,856,031	1,432,055

	AVERAGE BARRELS RECEIVED PER DAY					PERCENTAGE OF CRUDE OIL REFINED			
	Montana	N. Dakota	Wyoming	Canada	Total	Montana	N. Dakota	Wyoming	Canada
Year, 1977	24,632	549	50,405	57,615	133,201	18.49%	.41%	37.84%	43.26%
March, 1977	24,223	603	42,834	61,887	129,547	18.70%	.47%	33.06%	47.77%
March, 1978	22,036	375	54,715	54,201	131,327	16.78%	.29%	41.66%	41.27%

PRODUCERS' REPORT—MONTH OF MARCH, 1978

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
3	Arch Apex	4	1,666	766	1,369	—	1,063
2	Ash Creek	3	311	915	861	—	365
1	Bainville	1	1,988	1,307	1,336	—	1,959
1	Bainville, West	1	—	1,403	1,225	—	178
3	Bannatyne	5	607	1,773	1,238	—	1,142
4	Bears Den	5	1,527	764	—	—	2,291
15	Bell Creek	171	15,151	667,796	669,622	1,978	11,347
—	Benrud	—	149	—	—	—	149
3	Benrud East	3	1,715	10,325	10,824	—	1,216
1	Benrud Northeast	1	951	1,218	693	—	1,476
—	Berthelote	—	351	—	—	—	351
3	Big Gully	3	598	1,353	201	—	1,750
3	Big Muddy Creek	3	2,610	5,433	4,569	—	3,474
5	Big Wall	15	1,382	6,654	7,569	—	467
1	Blackfoot	6	542	1,531	1,584	—	489
1	Blue Hill	1	1,024	2,551	2,502	—	1,073
5	Border	10	1,804	1,182	1,173	—	1,813
1	Boulder	1	956	2,314	2,186	—	1,084
1	Bowes	39	4,176	8,652	7,906	—	4,922
1	Bradley	1	802	534	858	—	478
—	Breed Creek	—	455	—	—	—	455
4	Brorson-Madison	4	1,627	1,759	782	—	2,604
4	Brorson-Red River	4	4,215	4,543	3,745	—	5,013
3	Brorson-Red River S.	3	1,024	4,976	4,243	—	1,757
5	Brush Lake	5	989	9,307	9,280	—	1,016
1	Burns Creek	1	136	318	—	—	454
2	Cabin Creek	85	—	136,593	136,593	—	—
2	Canal	2	1,554	2,149	1,698	—	2,005
10	Cat Creek	53	1,335	7,855	6,470	—	2,720
2	Charlie Creek	2	1,084	12,662	12,836	—	910
—	Clark's Fork	—	37	—	—	—	37
1	Clark's Fork North	1	242	40	—	—	282
1	Clark's Fork South	1	1,862	297	1,315	—	844
2	Clear Lake	2	940	7,678	7,875	—	743
—	Conrad South	—	90	—	—	—	90
1	Cow Creek	1	394	565	764	—	195
9	Cow Creek East	11	4,486	11,035	10,144	—	5,377
1	Culbertson	1	213	322	—	—	535
7	Cupton	10	5,000	8,658	8,356	—	5,302
86	Cut Bank	812	38,692	142,644	143,197	13	38,126
1	Dagmar	2	289	5,774	5,184	—	879
1	Dean Dome	1	64	1,546	1,546	—	64
1	Deer Creek	1	372	402	471	—	303
—	Delphia	—	56	—	—	—	56
—	Devils Basin	—	294	—	—	—	294
4	Dry Creek	4	1,170	177	237	—	1,110
2	Dwyer	10	4,341	12,895	13,952	—	3,284
3	Elk Basin	50	522	81,893	81,774	—	641
2	Elk Basin Northwest	3	1,334	1,174	1,092	—	1,416
4	Fairview	8	8,357	16,241	15,692	—	8,906
1	Fertile Prairie	1	189	850	850	—	189
3	Flat Coulee	19	2,437	10,860	11,127	—	2,170
7	Flat Lake	48	2,870	50,347	51,078	—	2,139
4	Flat Lake South	4	1,268	3,809	3,994	—	1,083
1	Fort Gilbert	2	566	3,424	3,173	—	817
1	Four Mile Creek	1	510	424	598	—	336
1	Four Mile Creek West	1	894	2,248	2,687	—	455
1	Frannie	1	—	899	899	—	—
12	Fred & George Creek	31	6,558	41,324	42,138	—	5,744
1	Froid South	1	584	160	—	—	744
1	Gage	1	35	101	—	—	136
3	Gas City	11	5,500	8,875	12,371	—	2,004
1	Girard	1	1,450	43	—	—	1,493
12	Glendive	15	2,942	17,958	18,910	—	1,990
—	Golden Dome	—	350	—	—	—	350
12	Goose Lake	19	3,713	15,782	16,936	—	2,559
10	Graben Coulee	31	4,492	3,404	2,869	21	5,006
1	Grandview East	1	377	226	211	—	392
—	Gumbo Ridge	—	4,567	—	—	—	4,567
5	Gypsy Basin	6	766	1,704	472	904	1,094
1	Hay Creek-Mission	1	—	1,324	1,190	—	134
2	Hay Creek-Red River	2	2,643	4,079	4,981	—	1,741
4	Hiawatha	4	2,853	4,456	5,042	—	2,267
1	Hibbard	1	747	311	—	—	1,058
7	High Five	14	3,052	25,106	25,464	(5)	2,699
—	Highview	—	25	—	—	—	25
1	Horse Creek	1	504	2	—	—	506
3	Howard Coulee	3	1,528	884	—	—	2,412
4	Ivanhoe	9	1,304	2,652	2,650	—	1,306
—	Jackass Butte	—	514	—	—	—	514
2	Jim Coulee	15	2,202	22,761	22,041	—	2,922
4	Keg Coulee	16	4,251	5,035	4,705	21	4,560
4	Keg Coulee North	4	1,684	1,527	877	—	2,334
1	Kelley	3	935	1,851	1,815	—	971
63	Kevin Sunburst	346	16,255	22,496	21,632	—	17,119
1	Laird Creek	9	766	2,559	2,365	—	960
—	Landslide Butte	—	221	—	—	—	221
4	Leary	4	2,134	3,465	3,195	66	2,338
2	Little Beaver	23	146	37,491	37,495	—	142
2	Little Beaver East	9	1,088	10,588	9,504	—	2,172
13	Little Wall Creek	14	4,204	13,627	12,766	3	5,062
1	Lodge Grass	1	1,062	146	827	—	381
2	Lone Butte	2	649	2,922	2,572	—	999
5	Lonetree Creek	5	3,114	9,599	9,593	100	3,020
1	Long Creek	1	336	588	508	—	416
2	Long Creek West	2	929	5,722	5,347	—	1,304
3	Lookout Butte (Coral Creek)	29	625	51,123	51,158	—	590
2	Mason Lake	2	381	268	373	—	276
3	Melstone	7	1,131	9,907	9,895	—	1,143
1	Mineral Bench	1	398	398	398	—	398

PRODUCERS' REPORT—MONTH OF MARCH, 1978—(Continued)

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
2	Miners Coulee	2	852	187	529	—	510
11	Mon Dak West	11	10,827	45,164	44,292	—	11,699
10	Monarch	15	3,497	11,463	11,238	—	3,722
2	Mosser	8	—	370	370	—	—
1	Nohly	1	1,135	6,102	6,739	—	498
1	North Fork	2	667	3,630	3,052	—	1,245
4	Otis Creek	4	2,429	5,923	5,018	—	3,334
5	Outlook	6	1,638	13,724	12,827	—	2,535
1	Outlook South	1	760	673	490	—	943
2	Outlook West	2	1,757	381	814	—	1,324
1	Oxbow	1	—	400	400	—	—
1	Pennel	110	1,024	233,936	233,808	—	1,152
—	Phantom	—	562	—	110	—	452
4	Pine	99	13,972	171,047	170,342	—	14,677
62	Pondera	285	6,535	24,258	24,206	105	6,482
6	Poplar	58	8,175	34,025	34,431	—	7,769
9	Poplar Northwest	14	3,165	14,370	14,720	—	2,815
—	Prairie Elk	—	1,453	—	—	—	1,453
1	Prichard Creek	1	642	607	707	—	542
1	Putnam	2	319	1,325	1,382	—	262
2	Rabbit Hills	2	1,637	4,155	3,388	—	2,404
7	Ragged Point	21	3,533	4,662	2,766	—	5,429
1	Rattler Butte	1	265	319	388	—	196
2	Rattlesnake Coulee	2	532	293	—	—	825
2	Raymond	5	2,151	16,986	15,362	—	3,775
—	Raymond Northeast	—	237	—	—	—	237
3	Reagon	47	808	14,748	14,801	—	755
1	Red Creek	18	—	7,000	7,000	—	—
1	Red Fox	1	56	2	—	—	58
1	Redstone	1	249	741	717	—	273
1	Repeat	1	1,125	431	636	—	920
2	Reserve	2	2,535	776	953	—	2,358
1	Richey	1	659	1,004	835	—	828
1	Richey Southwest	1	569	673	433	—	809
1	RipRap Coulee	1	869	1,245	1,071	—	1,043
4	Rosebud	4	1,784	2,577	2,398	—	1,963
1	Rush Mountain	1	205	1,732	1,709	—	228
2	Salt Lake	3	587	1,055	1,245	—	397
2	Sand Creek	4	402	2,511	2,511	—	402
4	Second Creek	4	1,074	12,455	12,205	—	1,324
2	Sheepherder	3	570	492	—	—	1,062
1	Shotgun Creek, North	1	194	53	—	—	247
4	Sidney	4	2,072	6,077	6,410	—	1,739
7	Sioux Pass	7	4,775	21,424	21,926	—	4,273
1	Sioux Pass, East	1	444	841	1,192	—	93
2	Sioux Pass, Middle	2	1,005	9,547	9,497	—	1,055
5	Sioux Pass, North	5	2,819	10,339	9,305	—	3,853
1	Snyder	3	526	79	—	—	605
8	Soap Creek	23	2,588	3,985	4,200	—	2,373
2	South Fork	2	1,872	10,173	9,700	—	2,345
1	Spring Lake	2	717	1,422	793	—	1,346
1	Stensvad	3	1,150	2,087	1,558	—	1,679
22	Sumatra	102	8,950	138,338	136,813	90	10,385
5	Tule Creek	5	3,206	9,630	9,986	—	2,850
1	Tule Creek East	1	1,242	614	912	—	944
2	Tule Creek South	3	1,528	347	1,082	—	793
3	Utopia	5	1,021	2,174	1,660	—	1,535
3	Vaux	3	2,681	5,251	3,759	—	4,173
1	Vaux South	1	651	482	546	—	587
1	Vida	1	428	98	—	—	526
5	Volt	6	3,060	7,825	7,722	—	3,163
—	Wagon Box	—	201	—	—	—	201
1	Weed Creek	1	407	551	756	—	202
2	Weldon	2	982	1,255	1,055	—	1,182
1	West Butte	1	708	246	315	—	639
28	Whitlash	61	15,545	12,452	11,010	25	16,962
—	Whitlash West	—	284	—	—	—	284
2	Willow Creek North	2	409	655	506	—	558
1	Willow Ridge	2	—	421	421	—	—
3	Wills Creek South	3	—	3,190	3,190	—	—
3	Winnett Junction	5	689	8,269	8,080	—	878
2	Wolf Springs	2	3,022	978	137	—	3,863
—	Womans Pocket	—	271	—	—	—	271
2	Woodrow	2	424	1,399	1,433	—	390
2	Wright Creek	3	2,086	261	390	—	1,957
2	Wildcat, Big Horn County	2	1,244	482	1,275	—	451
—	Wilcat, McCone County	—	52	—	—	—	52
1	Wildcat, Musselshell County	1	517	327	299	(3)	548
9	Wildcat, Richland County	9	3,565	16,762	14,772	—	5,555
—	Wildcat, Roosevelt County	—	265	—	—	—	265
2	Wildcat, Sheridan County	2	731	8,622	8,617	—	736
1	Wildcat, Toole County	1	247	185	—	—	432
1	Wildcat, Wibaux County	1	96	47	—	—	143
733	TOTAL	3,097	367,163	2,519,629	2,500,878	3,318	382,596

Total oil produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1977	32,680,054	89,534	32,202,122	88,225
January, 1978	2,556,786	82,477	2,531,436	81,659
February, 1978	2,152,482	76,874	2,156,386	77,014
March, 1978	2,519,629	81,278	2,500,878	80,673

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage	Total In Storage
December, 1977	351,530	1,438,975	1,421,444	3,211,949
January, 1978	374,177	1,438,865	1,559,506	3,372,548
February, 1978	367,163	1,448,771	1,216,945	3,032,879
March, 1978	382,596	1,470,247	1,432,055	3,284,898

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA AT 14.73 PSIA and 60° F.—MONTH OF MARCH, 1978

Field NATURAL:	MC. Ft.
Alma	—
Bear's Den	—
Big Coulee	139,606
Big Rock	163,214
Black Coulee	3,010
Blackjack	32,786
Bowdoin	560,526
Bowes	75,115
Brown's Coulee	128
Bullwacker & Area	122,114
Canadian Coulee	36,883
Cedar Creek	172,505
Chip Creek	1,360
Clark's Fork, North	—
Coal Coulee	4,244
Conrad-Butte	9,719
Cut Bank (including Regan)	447,182
Dry Creek	101,171
Dry Creek, Middle	3,041
Dunkirk North	37,168
Ethridge*	(14,775)
Flat Coulee	13,550
Fresno	8,693
Gold Butte	—
Grandview	—
Gypsy Basin	37,979
Hardin	606
Haystack Butte	20,693
Keith Block	108,574
Kevin Sunburst	38,510
Kevin Sunburst Nisku & Area	14,276
Kicking Horse	—
Kinyon Coulee Area	5,424
Lake Basin	35,497
Liscom Creek	18,598
Middle Butte	18,212
Miners Coulee	59,215
Mt. Lilly	14,547
Plevna	2,844
Prairie Dell	36,076
Pumpkin Creek	—
Rapelje	12,161
Rocky Boy Area	11,242
Sage Creek	—
Sawtooth Mountain & Area	150,083
Sherard	73,344
Strawberry Creek Area	7,144
Snoose Coulee	12,340
South Devon	10,590
South Shelby	28,728
Swanson Creek	4,114
Tiger Ridge	1,167,427
Trail Creek	—
Utopia	55,900
West Butte	—
Whitlash	114,107
Willow Ridge	8,445
TOTAL NATURAL GAS	3,983,916

*Field Shut In Jan.

Field ASSOCIATED:	MC. Ft.
Bell Creek	48,699
Big Muddy Creek	—
Blue Hill	1,765
Clark's Fork South	6,633
Coral Creek	4,829
Elk Basin	4,308
Fairview	29,324
Four Mile Creek	490
Four Mile Creek, West	1,767
Glendive	225
Otis Creek	3,844
Pennel	933
Richland	47,700
Sioux Pass	12,953
Sioux Pass, East	614
Sioux Pass, Middle	7,192
Sioux Pass, North	5,777
Sumatra	11,350
Tule Creek	—
TOTAL ASSOCIATED GAS	188,403
TOTAL WITHDRAWALS	4,172,319

Total withdrawals for March, 1977, were 4,557,450 MCF.